

Back Panel Continued

AC Input: Connect the female end of the AC line cord here. Connect the male plug to a suitable source of line voltage. Refer to the voltage information on the back of the amplifier for its voltage and current requirements. This connector also acts as the main fuse holder and includes a compartment for a spare 5x20mm **6A** fuse.

Power: This rocker switch turns the AC power ON and Off. When ON the power indicator is illuminated to indicate the unit is ready for play.

Protection

Short circuit and thermal overload protection.

Spec.'s for the PRO series:

- **Input**
Impedance: 1 Meg (CH-1), 220k (CH-2)
Sensitivity: 150MV to 6V
- **EQ:** (Active)
Bass: +/- 12db @ 150HZ (CH-1, CH-2)
Mid: +/- 12db @ 1kHz (CH-2)
Treble: +/- 12db @ 5kHz (CH-1, CH-2)
- **Shape** (CH-1)
+5db @ 3kHz
-5db @ 1500HZ
+5db @ 100HZ
- **Notch** (Feedback Elimination) (CH-1)
Range: 100 to 350HZ
Attenuation: -18db
- **Line Out**
IMP: 10K
Sig. Level: 300MV Nominal
- **Output**
Power: PRO-100 (100W RMS) PRO-200 (200W RMS)
Total Harmonic Distortion: .1%
Signal to Noise Ratio: 98db

PRO dimensions:

	<u>PRO-200</u>	<u>PRO-100</u>
Weight:	50 Lbs.	45 Lbs.
Height:	16"	16"
Length:	21.5"	21.5"
Depth:	10.5"	10.5"

Serial number: _____
Model number: _____
Date of purchase: _____
Purchased from: _____

Please fill out and keep for your records.



ULTRASOUND AMPLIFIERS
5110 PARK AVE
DES MOINES, IA 50321
PHONE: 515-282-1650
FAX: 515-282-1680
www.UltraSoundAmps.com
E-MAIL: Info@UltraSoundAmps.com

CUSTOMER / TECHNICAL SUPPORT:
E-MAIL:
Support@UltraSoundAmps.com
TOLL FREE 1-888-993-5091

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DES MOINES, IA 50321



PRO Owners Guide

GUITAR CHANNEL (CHANNEL - 1)

GUITAR INPUT: Instrument input. Designed for both active and passive pickups.

VOLUME: Adjusts the pre amp gain, (sensitivity), of the guitar channel. This control should be used to match your guitar pickup to the amplifier. If amp overloading occurs when using this unit with an active pick up system be sure to decrease this level until the overloading situation ceases.

BASS: Adjusts the amount of cut or boost in the low frequency range.

TREBLE: Adjusts the amount of cut or boost in the high frequency range.

Notch Filter HZ: Sets the frequency of the 18db cut NOTCH FILTER that is used to control resonant feedback.

Notch Filter: **ON/OFF** - Enables or disables the notch filter control.

EFX LEVEL: Controls the amount of digital effect mixed in to the guitar signal from 0% to 50%.

EFX MODE: This is a rotary encoder, which selects 1 of 16 different digital effects. See Digital Effects Program List.

Shape: ON/OFF This toggle switch enables or disables the SHAPE control. The shape control is a mid dip control. In the on position the mid frequencies will be cut and the high and low frequencies will be boosted.

MIC/AUX CHANNEL (CHANNEL - 2)

MIC INPUT: XLR input designed for direct connection of a microphone.

AUX INPUT: 1/4" input designed for connection to an instrument such as a guitar or keyboard, and can also be used for connection to a line level signal from a digital effects processor.

MIC VOLUME: Controls the volume of the microphone signal.

AUX VOLUME: Controls the volume of the Aux. signal.

BASS: Adjusts the amount of cut or boost in the low frequency range.

MID: Adjusts the amount of cut or boost in the mid frequency range.

TREBLE: Adjusts the amount of cut or boost in the high frequency range.

EFX LEVEL: Controls the amount of digital effect mixed in to the Mic/Aux signal from 0% to 50%.

EFX MODE: This is a rotary encoder, which selects 1 of 16 different digital effects. See Digital Effects Program List.

OVERLOAD LED: This indicator will illuminate when an overload situation occurs in the Channel - 2 pre-amp section. IF an overload is detected in either the Mic Input front end, Aux input front end, or the tone controls this LED will illuminate. This is very useful when setting up Channel - 2 for different Microphones, instruments, or effects processors. To remedy an overload situation the corresponding Volume control on the **PRO** or on the connected instrument can be turned down until the LED does not illuminate.

MASTER SECTION

HORN VOLUME: Adjusts the amount of signal being sent to the on board electronic crossover which feeds the separate high frequency power amplifier. A higher setting of this control adds crisp clean high end to the sound of the amplifier which makes this control one of the most important when setting up your **PRO** for your applications. If you are playing an acoustic instrument a higher level on the Horn Volume control will be desirable. If you are playing an electric guitar through a digital efx processor a lower Horn Volume level may be more desirable to reduce any harshness. The Horn Volume control when used in conjunction with the separate Treble controls in the pre-amp sections will give you a lot of control and flexibility over the high frequency section of the **PRO**.

MASTER VOLUME: Adjusts the overall loudness of the amplifier.

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DIRECT OUTPUTS:

The **PRO** has both XLR (balanced) and 1/4" (unbalanced) outputs. The XLR outputs can drive long cable lengths without added noise while the 1/4" outputs can drive virtually any line level input. Separate Channel 1, Channel 2, and Channel 1+2 outputs are post eq/efx to ensure a finished mixed signal to a PA system.

GROUND LIFT:

This is a global ground lift which lifts the ground from pin 1 of the XLR jacks and the sleeve of the 1/4" jacks to break any ground loops between the **PRO** and a PA system.